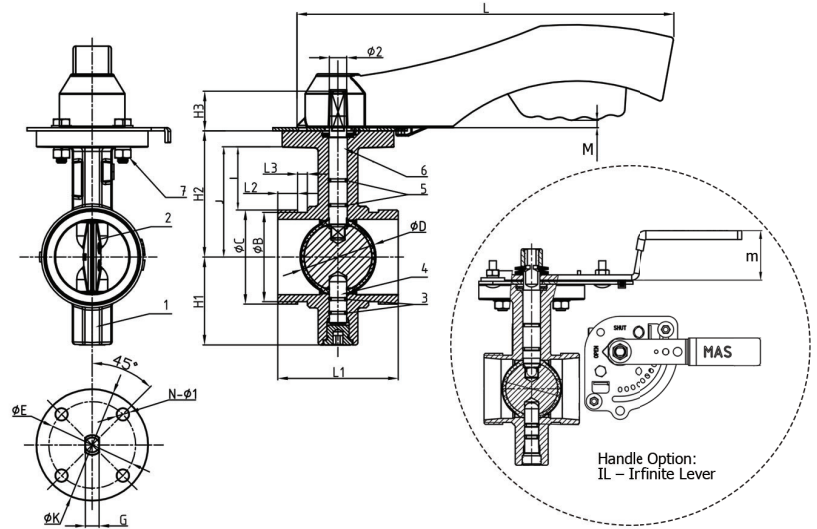


# Grooved Butterfly Valve W50-A-(ED/ND)-GG-S-LL



NSF/ANSI 61 NSF/ANSI 372  
**W50-A-ED/ND-GG-S-LL**

- Design Standard: MSS SP-7
- Connection Ends: Grooved to AWWA C606
- Top Flange Standard: ISO 5211  
Stem drive by keys,  
parallel or diagonal square or flat head
- Working Pressure: 300PSI
- Operating Temperature:  
EPDM: <= 82°C  
NBR: <= 80°C
- Operating Temperature Maximum  
EPDM: -29°C -121°C  
NBR: -12°C -82°C  
**(See Pressure Temperature Curve)**
- Coating: Fusion Bonded Epoxy Coating in  
accordance with ANSI/AWWA C550 / 10 mil minimum

## MATERIAL SPECIFICATION

No.	Part	W50-A-ED-GG-S-LL	W50-A-ND-GG-S-LL	IL - LEVER
1	Valve Body	ASTM A536, 65-45-12	ASTM A536, 65-45-12	
2	Disc	ASTM A536, 65-45-12+EPDM	ASTM A536, 65-45-12+NBR	
3	O-Ring	EPDM	NBR	
4	Stem	Stainless Steel AISI 420	Stainless Steel AISI 420	
5	O-Ring	EPDM	NBR	
6	Stem	Stainless Steel AISI 420	Stainless Steel AISI 420	
7	Hex Bolt	Carbon Steel Zinc Plated	Carbon Steel Zinc Plated	Stainless Steel 304
8	Lever	ASTM A536, 65-45-12	ASTM A536, 65-45-12	Carbon Steel Zinc Plated

Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

SIZE	DIMENSIONS																			
	L1	L2	L3	ØB	ØC	ØD	ØE	ØK	N-Ø1	H1	H2	H3	Ø2	G	ISO 5211	L	I	J	M	m
inch 2"	3.189	0.625	0.312	2.250	2.374	1.980	2.756	3.543	4-Ø0.394	2.559	3.50	1.260	0.551	0.372	Ø07	9.88	1.80	2.98	1.10	1.654
mm 50	81.00	15.88	7.92	57.15	60.30	50.29	70.00	89.99	4-Ø10.01	65.00	89	32	14	9.45	Ø07	251	45.8	75.8	28	42
inch 2.5"	3.819	0.625	0.312	2.720	2.874	2.394	2.756	3.543	4-Ø0.394	2.795	4.02	1.260	0.551	0.372	Ø07	9.88	2.07	3.50	1.10	1.654
mm 65	97.00	15.88	7.92	69.09	73.00	60.81	70.00	90.00	4-Ø10.01	71.00	102	32	14	9.45	Ø07	251	52.6	89.1	28	42
inch 3"	3.819	0.625	0.312	3.344	3.500	2.992	2.756	3.543	4-Ø0.394	3.189	4.29	1.260	0.551	0.372	Ø07	9.88	2.04	3.80	1.10	1.654
mm 80	97.00	15.88	7.92	84.94	88.90	76.00	70.00	89.99	4-Ø10.01	81.00	109	32	14	9.45	Ø07	251	52	96.5	28	42
inch 4"	4.567	0.625	0.375	4.334	4.500	3.878	2.756	3.543	4-Ø0.394	3.740	5.04	1.260	0.630	0.437	Ø07	9.88	2.28	4.52	1.10	1.654
mm 100	116.00	15.88	9.53	110.08	114.30	98.50	70.00	89.99	4-Ø10.01	95.00	128	32	16	11.1	Ø07	251	58	115	28	42
inch 5"	5.827	0.625	0.375	5.395	5.563	4.827	2.756	3.543	4-Ø0.394	4.370	5.55	1.260	0.630	0.437	Ø07	9.88	2.28	5.05	1.10	1.654
mm 125	148.01	15.88	9.53	137.03	141.30	122.61	70.00	89.99	4-Ø10.01	111.00	141	32	16	11.1	Ø07	251	57.8	128.3	28	42
inch 6"	5.827	0.625	0.375	6.455	6.626	5.827	2.756	3.543	4-Ø0.394	5.236	6.02	1.260	0.748	0.498	Ø07	9.88	2.17	5.48	1.10	1.654
mm 150	148.01	15.88	9.53	163.96	168.30	148.01	70.00	89.99	4-Ø10.01	132.99	153	32	19	12.65	Ø07	251	55.3	139.3	28	42
inch 8"	5.236	0.750	0.437	8.441	8.626	7.853	4.016	4.921	4-Ø0.472	6.457	7.24	1.772	1.024	0.811	Ø10	15.27	2.38	6.69	0.67	1.654
mm 200	132.99	19.05	11.10	214.40	219.10	199.01	102.01	124.99	4-Ø11.99	164.01	184	45	26	20.60	Ø10	388	60.6	170.1	17	42
inch 10"	6.260	0.750	0.500	10.562	10.748	9.921	4.016	4.921	4-Ø0.472	7.717	8.50	1.772	1.024	0.811	Ø10	15.27	2.53	7.91	0.67	1.654
mm 250	159.00	19.05	12.70	268.27	273.00	251.99	102.01	124.99	4-Ø11.99	196.01	216	45	26	20.60	Ø10	388	64.5	201	17	42
inch 12"	6.496	0.750	0.500	12.531	12.752	11.831	4.016	4.921	4-Ø0.472	8.898	10.00	1.772	1.102	0.87	Ø10	15.27	2.91	9.29	0.67	1.654
mm 300	165.00	19.05	12.70	318.29	323.90	300.51	102.01	124.99	4-Ø11.99	226.01	254	45	28	22.10	Ø10	388	74.1	236.1	17	42

Note: Valve must not be installed with disc in full open position. Disc must be partly closed so that no part is protruding beyond end of valve body.

Technical data, dimensions, materials & specifications are subject to change without notice.



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